PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FP19375-BJN	FOR FURTHER ACTION a	see Form PCT/ISA/220 s well as, where applicable, item 5 below.				
International application No.	International filing date (day/month/year) 10 March 2004	(Earliest) Priority Date (day/month/year) 27 March 2003				
PCT/AU2004/000295	LOBINECTI 2004	27 Water 2003				
Applicant BIONOMICS LIMITED et al						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.						
This international search report consists of a	total of 4 sheets.					
X It is also accompanied by a cop	y of each prior art document cited in this repo	ort.				
1. Basis of the report						
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).						
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.						
2. Certain claims were found un	2. Certain claims were found unsearchable (See Box No. II).					
3. Unity of invention is lacking (3. Unity of invention is lacking (See Box No. III).					
4. With regard to the title,						
X the text is approved as submitte	d by the applicant.					
the text has been established by	this Authority to read as follows:					
		·				
5. With regard to the abstract,						
X the text is approved as submitte	ed by the applicant.					
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.						
6. With regard to the drawings,						
a. the figure of the drawings to be published with the abstract is Figure No.						
as suggested by the applicant.						
as selected by this Authority, because the applicant failed to suggest a figure.						
as selected by this Authority, because this figure better characterizes the invention.						
b. X none of the figures is to be pub	b. X none of the figures is to be published with the abstract:					

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International application No.

PCT/AU2004/000295

A.	CLASSIFICATION OF SUBJECT MATTER						
Int. Cl. 7:	C12Q 1/68, C12N 15/01, A61K 39/395, C07K 14/47						
According to International Patent Classification (IPC) or to both national classification and IPC							
В.	FIELDS SEARCHED						
	mentation searched (classification system followed by clas RONIC DATABASES	sification symbols)					
	searched other than minimum documentation to the extend TRONIC DATABASES	t that such documents are included in the fields search	ned				
	base consulted during the international search (name of dalline, CA (see continuation of box B)	ta base and, where practicable, search terms used)					
.C.	DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appro	Relevant to claim No.					
X	Fujiwara, T. et al. 2003. Mutations of sodium channel α subunit type 1 (SCN1A) in intractable childhood epilepsies with frequent generalised tonic-clonic seizures. Brain, a Journal of Neurology, Vol: 126, pages 531-546.						
х	Lerche, H. et al. 2001. Ion channels and epilepsy. American Journal of Medical Genetics, Vol: 106, pages 146-159. 1-2, 4, 10-13, 17, 21, 25 and 27-28.						
X	Cannon, Stephen.C. 2002. Sodium channel gating: no margin for error. Neuron, Vol: 1-2, 4 and 34, pages 853-858.						
X I	Further documents are listed in the continuation	of Box C See patent family ann	ex				
* Special categories of cited documents: A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means "E" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family							
	rual completion of the international search	Date of mailing of the international search report	1 4 MAY 2004				
	ling address of the ISA/AU	Authorized officer					
PO BOX 200, E-mail address	AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929 Telephone No : (02) 6283 2632						

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International application No.

PCT/AU2004/000295

ategory*	Citation of document, with indication, where appropriate, of the relevant passages		
X 🗸	Sugawara, T. et al. 2002. Frequent mutations of SCN1A in severe myclonic epilepsey in infancy. Neurology, Vol: 58, pages 1122-1124.		
x	Madia, F. et al. 2003. No evidence of GABRG2 mutations in severe myclonic epilepsy of infancy. Epilepsy Research, Vol 53, pages 196-200.		
x	Malacarne, M. et al. 2002. Lack of SCN1A mutation in familial febrile seizures. Epilepsia, Vol: 43(5), pages 559-562.		
×	Ohmori, I. et al. 2002. Significant correlation of the ScN1A mutations and severe myclonic epilepsy in infancy. Biochemical and Biophysical Research Communications, Vol. 295, pages 17-23.		
A	Spampanato, J. et al. 2003. Generalised epilepsy with febrile seizures plus type 2 mutation W1204R alters voltage-dependent gating of Na _v 1.1 sodium channels. Neuroscience, Vol: 116, pages 37-48.	1-2 and 4	
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		1 C1/AU2004/000293				
Supplemental Box (To be used when the space in any of B	oves I to VIII is not sufficient)					
Continuation of Box No: B (Se						
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Epilepsy, Sodium channel, SC	N1A, Severe myclonic epilepsy of in	fancy, SMEI, mutation, allele,				
Polymorphism, antibody, anti-sense, ribozyme, RNAi, agonist, antagonist, modulate, inhibit.						
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